

PART III. BEST MANAGEMENT PRACTICES (BMP) PLAN

The permittee shall develop and implement a best management practices (BMP) plan for this hydroelectric generating facility. The BMP plan shall be prepared in accordance with good engineering practices. The objectives of the BMP plan are to eliminate or to significantly minimize the potential for violations of the terms of the permit; to protect the designated water uses of the surrounding surface waters; and to mitigate pollution from materials storage areas, in-plant transfers of hazardous and/or toxic materials, process and material handling areas, loading and unloading operations, and accidental spillage. The BMP plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of equipment and floor drain-related water, equipment and station maintenance-related water, and facility maintenance-related internal drainage water (collectively referred to as the “internal facility drainage water” in this Part) discharges associated with day-to-day work activity from the facility. In addition, the BMP plan shall describe and ensure the implementation of practices which are to be used to eliminate or reduce the pollutants in internal facility drainage water discharges associated with work-related operations at the facility and to assure compliance with the terms and conditions of this permit. The permittee must implement the provisions of the BMP plan required under this part as a condition of this permit.

A. Deadlines for BMP plan Preparation and Compliance

1. The BMP plan for this facility shall be prepared, and except as provided elsewhere in this permit, shall provide for compliance with the terms of the permit and the BMP plan, no later than the date specified in the permit.
2. Upon a showing of good cause, the Director may establish, in writing, a later date for preparing and compliance with a BMP plan.

B. Signature and BMP plan Review

1. The BMP plan shall be signed in accordance with Part II.D.2.(Signatory Requirement) and be retained on-site at the facility in accordance with Part II.C.1.b. (Monitoring and Records) of this permit.
2. The permittee shall make the BMP plan available upon request to the Director, or an authorized representative.
3. The Director, or an authorized representative, may notify the permittee at any time that the BMP plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the BMP plan, and identify which provisions of the BMP plan require modifications in order

to meet the minimum requirements of this Part. Within 30 days of such notification from the Director, (or as otherwise provided by the Director), or an authorized representative, the permittee shall make the required changes to the BMP plan and shall submit to the Director a written certification that the requested changes have been made.

C. Keeping BMP Plans Current

The permittee shall amend the BMP plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to the waters of the United States or if the BMP plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under Section D.2.(Description of Potential Pollutant Sources), below, or in otherwise achieving the general objectives of controlling pollutants in the internal facility drainage water discharges. Amendments to the BMP plan may be reviewed as described above in Section B.

D. Contents of BMP plan

The BMP plan shall include, at a minimum, the following items:

1. Pollution Prevention Team The BMP plan shall identify a specific individual or individuals within the facility organization as members of the Pollution Prevention Team who are responsible for developing the BMP plan and for assisting the facility manager in the implementing, maintaining, and revising of this plan. The responsibilities of each team member must be listed. The activities and responsibilities of the Pollution Prevention Team shall address all aspects of the facility's BMP plan.
2. Description of Potential Pollutant Sources The BMP plan shall provide a description of potential sources which may reasonably be expected to add significant amounts of pollutants to internal facility drainage water discharges. Each BMP plan shall identify all activities and significant materials which may be potentially significant pollutant sources. The BMP plan shall include at a minimum:
 - a. Drainage
 - (1) A plot of the floor drainage of the facility's interior including sumps and oil/water (O/W) separators. Locations where major spills or leaks identified under Section D.2.c. (Spills and Leaks) have occurred.
 - (2) For internal facility drainage water discharges associated with a reasonable potential for containing significant amounts of pollutants, a prediction of the direction of flow, and an identification of the types of pollutants which are likely to be present in the discharges. Factors to consider include the toxicity of pollutants; quantity of pollutants used; the likelihood of contact with internal facility drainage water discharges; and

history of significant leaks or spills.

- b. Inventory of Exposed Materials The BMP plan shall include an inventory of the types of materials handled at the facility that potentially may be inadvertently spilled. Such inventory shall include a narrative description of significant materials that are or have been handled, treated, stored or disposed in a manner to allow exposure to internal facility drainage water between the time of three years before being covered under this permit and the present; method and location of on-site storage or disposal; materials management practices employed to minimize contact of materials with internal facility drainage water between the time of three years before being covered under this permit and the present; the location and description of existing structural and non-structural control measures to reduce pollutants in the internal facility drainage water discharges; and a description of any treatment these discharges receive.
 - c. Spills and Leaks A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred, during the three year period prior to the submission of a Notice of Intent, at areas that drain to an outfall associated with floor drains. Such a list shall be updated as appropriate during the term of the permit.
 - d. Sampling Data A summary of existing discharge sampling data describing pollutants in internal facility drainage water discharges from the facility, including a summary of sampling data collected during the term of this permit.
 - e. Risk Identification and Summary of Potential Pollutant Sources A narrative description of the potential pollutant sources from the following activities: loading and unloading operations; maintenance programs; and on-site waste disposal practices. The description shall specifically list any significant potential source of pollutants at the facility and for each potential source, any pollutant or pollutant parameter (e.g. biochemical oxygen demand, etc.) of concern shall be identified.
3. Measures and Controls The permittee shall develop a description of internal facility drainage water management controls appropriate for the facility, and implement such controls. The appropriateness and priorities of controls in a BMP plan shall reflect identified potential sources of pollutants at the facility. The description of internal facility drainage water management controls shall address the following minimum components, including a schedule for implementing such controls:
- a. Good Housekeeping Good housekeeping requires the maintenance of areas, which may contribute pollutants to internal facility drainage water discharges, to be clean and orderly.
 - b. Preventive Maintenance A preventive maintenance program shall involve timely

inspection and maintenance of internal facility drainage water management devices (e.g., cleaning oil/water separators, pits, sumps) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters, and ensuring appropriate maintenance of such equipment and systems.

- c. Oil/Water Separators Proper operation of the oil/water separators shall be maintained by inspections at appropriate intervals, by regularly scheduled maintenance, and by review of sampling data. Detailed operational procedures for the oil/water separators shall be maintained to insure the maximum design flow rate of the oil/water separators will not be exceeded.
- d. Spill Prevention and Response Procedures Areas where potential spills, which can contribute pollutants to internal facility drainage water discharges, can occur and their accompanying drainage points shall be identified clearly in the BMP plan. Procedures shall be developed and implemented to eliminate and/or minimize the opportunity for oil leakage to enter the drainage system at the facility. Where appropriate, specifying material handling procedures, storage requirements, and use of equipment in the BMP plan should be considered. Procedures for cleaning up spills shall be identified in the BMP plan and made available to the appropriate personnel. The necessary equipment to implement a clean up should be available to personnel.
- e. Inspections Qualified facility personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals specified in the BMP plan. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspection shall be maintained.
- f. Employee Training Employee training programs shall inform personnel responsible for implementing activities identified in the BMP plan or otherwise responsible for internal facility drainage water management, at all levels of responsibility, of the components and goals of the BMP plan. Training should address topics such as spill response, good housekeeping and material management practices. The BMP plan shall identify periodic dates for such training.
- g. Record-keeping and Internal Reporting Procedures A description of incidents (such as spills, or other discharges), along with other information describing the quality and quantity of internal facility drainage water discharges shall be included in the BMP plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the BMP plan.
- h. Record-keeping and Reporting Procedures An Annual Report summarizing the

scope of compliance evaluations(s), personnel making the evaluations, the dates(s) of the evaluations, major observations relating to the implementation of the BMP plan and actions taken shall be made and retained as part of the BMP plan for at least three years after the date of the evaluations(s). The Annual Report shall be retained on-site at the hydroelectric generating facility in accordance with Part II.C.1.b. (Monitoring and Records) of this permit. The Annual Report shall identify any incidents of noncompliance (such as oil spills, or other discharges of toxic or hazards pollutants to the receiving waters). Where an Annual Report does not identify any incidents of noncompliance, the Annual Report shall contain a certification that the facility is in compliance with the BMP plan and this permit. The Annual Report shall be signed in accordance with Part II.D.2 (Signatory Requirements) of this permit.